





**PAGER** 

Version 5

10,000

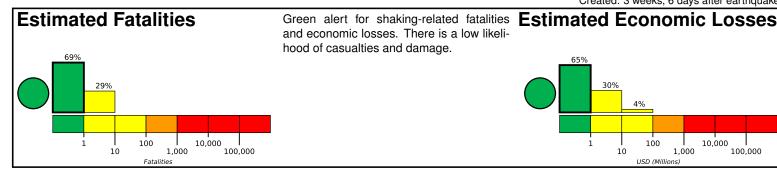
1,000

100,000

## M 4.9, 40 km SSW of Hastings, New Zealand

Origin Time: 2021-09-04 04:54:24 UTC (Sat 16:54:24 local) Location: 39.9634° S 176.6484° E Depth: 17.4 km

Created: 3 weeks, 6 days after earthquake



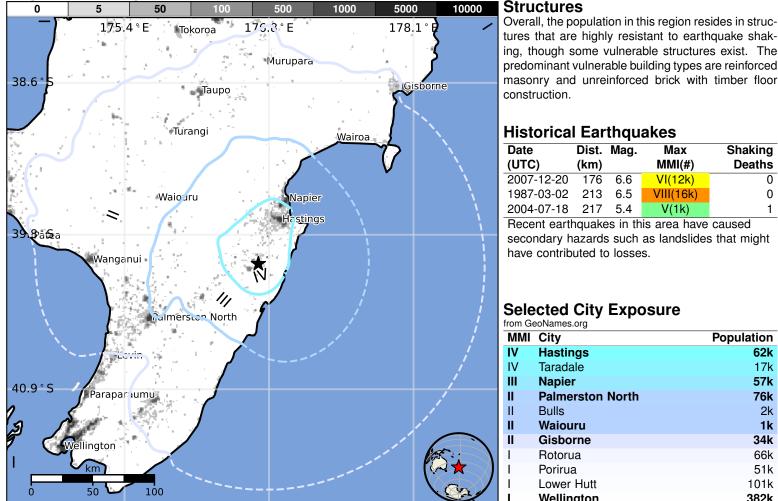
**Estimated Population Exposed to Earthquake Shaking** 

	POPULATION E (k=x1000)	596k*	391k	101k	0	0	0	0	0	0
ESTIMATEI MERCALLI	MODIFIED INTENSITY	I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan Structures



Date	Dist.	Mag.	Max	Shaking		
(UTC)	(km)		MMI(#)	Deaths		
2007-12-20	176	6.6	VI(12k)	0		
1987-03-02	213	6.5	VIII(16k)	0		
2004-07-18	217	5.4	V(1k)	1		
D						

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

MMI	City	Population
IV	Hastings	62k
IV	Taradale	17k
Ш	Napier	57k
II	Palmerston North	76k
II	Bulls	2k
II	Waiouru	1k
II	Gisborne	34k
1	Rotorua	66k
1	Porirua	51k
1	Lower Hutt	101k
I	Wellington	382k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Event ID: us7000f7su